RUBBER WORLD

BILL BROTHERS PUBLISHING CORP. 630 Third Avenue, New York 17, N. Y.

Volume 147-148

October, 1962, to September, 1963

PAGE	S	Pa	GES	PA	AGES
A		BASES, SILICONE Silvetic 446	119	Report from the Hungarian Rubber Re-	
		S-6562	118	search Institute Edited by Nadud-	
A-790—Silicone Electrical Compound		Silastic 446 N S-6562 N Baughman, R. O Portrail S Baytown 8788, 8789—Black Masterbatches N N S S S S S S S S	84	Rheology of Polymers E. T. Seeers Ma	94
Abbott, JohnD 22, Ja 28 Portrait D 9		Baytown 8788, 8789—Black Masterbatches N	18	Rheology of Polymers E. T. Severs Ma	86
ACCELERATORS	2	Reasley Robt P Portrait ()	97	RMA Rubber Handbook Edited by Wm. C. Campbell Ma	86
D-1		Bed, Fluid, Process, British, Gives Continuous		Symposium on Skid Resistance Ameri- can Society for Testing & Materials Je	
Rubber Blends Arnold R. Davis,		CuringO	82	can Society for Testing & Materials Je	84
MBD Ralph A. Naylor N 6		Belgium	18	Technical Service Handbook E. Patrick McGuire F	96
Pennac ZT—"W"My	7	Belner, Robt, J. Portrait la	87	Thermoplastics Selector, The Plastics	
Rubber Blends Arnold R. Davis, MBD		Baytown 8788, 8789—Black Masterbatches. N Bearflex 1762—PVC Plasticizers O Beasley, Robt. P. Portrait O Bed, Fluid, Process, British, Gives Continuous Curing. O Behney, Dale F. Portrait D Belgium. Au Belner, Robt. J. Portrait J Belt, Timing, The W. A. Skura, J, J Twomey D 65, Ja Benzoyl Peroxide—Polymerization Catalyst.		Thermoplastics Selector, The McGuire F Plastics Technology Je	94
Rubber—Thiacril X-55		Benzoyl Peroxide—Polymerization CatalystN	18	Wellington Sears Handbook of Industrial	100
Ad-E-Bond #148 and #228—Contact Adhe-		BERGSTROM, E. W., Jr., Z. T. OSSEFORT, R. F.	10	Boston Rubber Group N 80, My	68
sives	7	SHAW		Boston Rubber Group. N 80, My Boyd, Wm. J. Portrait Ja BPIC—Catalyst. Je Brazil. D 98, F 15, Je Briggs, R. A. Portrait N British Fluid Bed Process Gives Continuous	87
Adhesion, Rubber-Tire Cord, Factors in	0.0	Antiozonants for Diene ElastomersS	60	BPIC—CatalystJe	82
Solubility and, of Americal CB D. V.	9	BINGHAM, W. R., J. M. MITCHELL, R. R. BARN- HART, H. E. HANO, JR.		Briggs R. A. Portrait N	90
Solubility and, of Ameripol CBD. V. Sarbach N 7	4	Vulcanization Systems for Ethylene-Propy-		British Fluid Bed Process Gives Continuous	
Adnesive-Treated Rayon Yarn—TyweldMa 9	12	lene Dicyclopentadiene Rubber Au	52	Curing. O Brooks, E. B. Portrait O Brooks, E. B. Portrait O Brown, B. F. L. O AMBERG AND Hercules EPT, The Ma Bryan, W. R. Portrait O Bruffalo Rubber Group. F 82, My	82
ADHESIVES Contact—Ad-E-Bond #148 #228 II 11	7	BLAICH, CHAS, F., JR. Compression Moldable Liquid UrethaneMa	34	Broughton John G. Portrait O	100
Silicone—LeabondAp 9	2	Blair, Richard H	90	BROWN, B. F., L. O. AMBERG AND	
Contact—Ad-E-Bond #148, #228	2	Blends, Polybutadiene-Natural Rubber, De-		Hercules EPT, The	52
Africa	8	layed Action Accelerators, in A. R. Davis, R. A. Naylor N	61	Buffalo Rubber Group F \$2, My	68
Ahlefeld, Edwin H., Jr Portrait Au 8	36	Effect of Oils on	66	BURGESS K. A. W. M. HESS AND	
Africa Ja 95, Ap 1 Ahlefeld, Edwin H., Jr. Portrait Au 8 Akron Polymer Lecture Group N 8	30	Effect of Oils on	40	Reagglomeration: a Cause of Tread Cracking?	24
Rubber Group	50	J. R. Haws, W. T. Cooper, J. H. Tucker Ap	82	Ja 57, Ma Butadiene, Styrene-, Rubber, see Synthetic Rub-	20
Rubber Group. D 8	2	J. R. Haws, W. T. Cooper, J. H. Tucker Ap Blowing Agent—DNPT Je Bolt, Thos. D. Portrait F	74	ners. SBK	
America, Latin N 102, Ma 17, My 17,		Bonding Primer—SS 4101Ap	92	Butazate—Urethane Stabilizer Au Butyl Rubbers, see Synthetic Rubbers	104
Je 18, Jl 17, S 2 South		BOOK REVIEWS		Butyl Rubbers, see Synthetic Rubbers	
AMERICAN CHEMICAL SOCIETY	,	ASTM Directory of Testing Laboratories,		C	
Division of Rubber Chemistry 0 9	1	Commercial and Institutional Amer-	100	C. M. Wiss and Composium 0.91 In	96
Award, Best Paper Au 1 Courses D 79, Je 7 Goodyear Medalist Je 9	1	Index to Standards American Society	100	Cable, Wire and, Symposium O 91, Ja Calendar of Coming Events O 50, N 94, D 76, Ja 106, F 86, Ma 82, Ap 22, My 86, Je 66,	74
Goodyear Medalist	1	for Testing & Materials My	94	D 76, Ja 106, F 86, Ma 82, Ap 22, My 86, Je 66,	=0
MEETINGS		ican Society for Testing & Materials Jl Index to Standards			
October 17-19, 1962	9	Study of a Test Method American Society for Testing & Materials Je	92	Callan, J. E	22
May 8-10, 1963 Ap 71, Je 7 September 11-13, 1963 Jl 8		Banbury—The Master MixerD. H. Killefer F	-	Canada O 104, D 98, Ap 17, 18, Jl 18,	~
	3	Killefer F	92	CARBON BLACK	25
Section, Northeastern, Elastomer & Plastics	0	Bibliography of Rubber Literature for 1957- 58 M. E. Lerner, Editor-in-Chief O Chemical Plants U. S. A.—1963	34	Dispersions—Codispersions	20
Section, Northeastern, Elastomer & Plastics Group N 80, D 82, My 7 American Society for Testing & Materials Ma 11, 7	1	Chemical Plants U. S. A.—1963S	106	Loaded Polyethylene, Cross-Linked	
Committee D-11 Au 77 D-24—Carbon Black O 92, Jl 1	8	Competition in the Synthetic Rubber Industry		P. R. McClure D	18
D-24—Carbon Black O 92, Jl 1.	2	Chas. F. Phillips Au Flastomer Research and Development	109	Masterbatches—Baytown 8788, 8789. N Plioflex 1805, 1815. Structure: A New Look W. F. Watson, A. R. Payne My	20
her Au 7	7	Elastomer Research and Development, Seventh Joint Army-Navy-Air Force Con-		Structure: A New Look W. F. Watson,	
Technical Committee on Automotive Rubber, Of Mechanical Engineers, Rubber & Plastics Division. O 92. Ja Ameripol, see Synthetic Rubbers		ference, October 1962	106	Measuring, by Compression Andries	52
Division	6	Processes		Measuring, by Compression, Analysis Vote, Win. N. Whitten, Jr. Au Carboxylic Latexes, Compounding, W. P. Wield, J. P. Daris My What Are? G. E. Eilbeck, E. R. Urig My Casting Compount—Flexane	33
b-Aminodiphenylamine Ma 2	2	, Au	109	Carboxylic Latexes, Compounding W. P.	
p-Aminodiphenylamine	2	Handbook of Adhesives Edited by Irving	24	Welch, J. P. Davis My	4.5
Antiozonant—UOP 688. S 10 Antiozonant—Cyzone IP O 2 Antiozonants for Diene Elastomers E. W.	00	Skrist O Industrial Applications of the Organo-metal-	34	Casting Compount—Flexane	112
Antioxidant—Cyzone IP	2	lic Compounds J. H. Harwood Au	109	Rollers, A New Process for Je	52
Berestrom, Jr., Z. I. Ossetort, R. F. Shaw S. O.	0				
Ashe, A. J	3	tries. Latex Foam Rubber E. W. Madge F. Macromolecular Chemistry International Union of Fure & Applied Chemistry Ja Mechanical Properties of Polymers Lawrence E. Nielsen N. Molecular Spectroscopy.	108	Benzoyl PeroxideN BPICJe	82
Australia My 1	8	Macromolecular Chemistry International	70	CAVALIER, PHILIP A.	
Austria		Union of Pure & Applied Chemistry. Ja	34		69
Authors N 16, D 10, Ja 16, F 32, Ma 26, Ap 24, My 26, Je 26, Jl 24, Au 28, S Auto Flort Vor Cor. Cor. Cort. of Vor.		Mechanical Properties of PolymersLaw-	40	1963? Ja Ceramagnet BG Powder—Magnetic Flour . Ma Ceylon Ja Chelating Agents Js Chemical Institute of Canada Je	22
Ap 24, My 26, Je 26, Jl 24, Au 28, S 3	4	Molecular Spectroscopy Ja	38	CeylonJa	94
Armund J. Schoen Je 6	0			Chelating AgentsS	100
Auto Fleet, You Can Cut Costs of Your	6	PatentsS New Trade Names in the Rubber and Plas-	106	Chemical Institute of CanadaJe	/1
		tics Industries, 1962 Rubber & Plas-		p-Aminodiphenylamine Ma Chloranil Ma Chemigum, see Synthetic Rubbers	22
R		tics Assn. of Great Britain II	100	Chloranil	22
•		Physico-Mechanical Testing of Unvulcanized and Vulcanized Rubber Edited by		Chemlok 304—Structural Adhesive 11	112
Balata, Synthetic	0	V. F. Evstratov, F. I. Yashunskava D	36	Chester, Alex	99
BARNHART, R. R., H. E. HANO, IR., W. R. BING-	-	V. F. Evstratov, F. I. Yashunskaya D Proceedings of the Fourth Rubber Technology		Chicago Rubber Group Ja 98, Je	74
HAM, J. M. MITCHELL Vulcanization Systems for Ethylene-Propy-		Conference Institution of the Rubber		Chemiok 304—Structural Adhesive Ji Chester, Alex Deptition Ja 98, Je Chicago Rubber Group Ja 98, Je China Ma Chocadi Urethane Sponge Robb. P. Kong F.	22
lene-Dicyclopentadiene RubberAu 5.	2	PVC Technology W. S. Penn Ma	86	Closed-Cell Urethane Sponge Robt. P.	
Barrett, Harold N Portrait D 9				1 une 1	35
Bascom, Roger C	8	Edited by Robt. O. Bolt, Jas. G. Carroll Ap	96	Coal FinesN	

Coaters. A Stronger Fabric for Ia	AGES 66	E	AGES	EQUIPMENT, NEW	LEES
Coaters, A Stronger Fabric forJa Coating—Pourable Silicone—SS-4090 Codisper-	20	Easy-Pouring Silicone—RTV-30Ap	02	Pumps, Single-Stage	90
sions—Black Dispersions. D Cohen, Ephraim K. Portrait My Give Inventors a Break My Cole, Zane G. Portrait Au	123	EDITORIALS		Recirculator, WaterAp	88
Give Inventors a Break	123	Expense Accounts	27	Recorder, Ozone	30
COMMODITY EXCHANGE, INC.		Instant Tech Service	23	Rewind MechanismMa	8
Crude Rubber MarketO 110, N 111, D 104, Ia	103	Keeping Customers Happy	25 59	Rheometer	94
D 104, Ja Compounding Carboxylic Latexes W. P. Welch, J. P. Davis My	42	Look to Safety D Lower Prices Welcome, But Beware of Pit-	F0.	Rotary Flow SwivelJa	24
		falls	57	Saw Band, HorizontalMa SplittingJl	106
96, My 98, Jl 126, S Injection MoldingZ. J. Dorko, J. Timar, J. Walker Jl	112	New Approach, A. F. Era, A. Ap One Man's Opinion, which see	31	Stripper, Roll	100
Timar, J. Walker Jl	31	One Man's Opinion, which see	20	Table, Conveyor	18
Compounds Casting—Flexane	112	Random Notes on the Rubber DivisionJe What Can WE Do?Ja	23	Take-Off, Versa FeedN	28
Lithium O Silicone—SE-5601 O D 22, Ja Compression, Measuring Carbon Black Struc-	22	Price for Value?	33	Modulus Mv	22
Electrical—A-790 D 22, Ja	28	ber Blends	66	Stress, Strain	96
Compression, Measuring Carbon Black Struc- ture by Andries Voet, Wm. N. Whit-		What Are Carboxylic Latexes?	38	Tensile	20
ton Ir An	33	EINHORN, STANLEY C.		Tensile Ma Thermal F Universal My Testing Foam Insulation Properties F	22
Moldable Liquid Urethane Chas, F. Blaich, Jr. Ma	34	New SBR Processability Test, AAu Elastomers, Diene, Antiozonants for E. W.	40		
Connecticut Rubber GroupN 80, My 68,	22	Elastomers, Diene, Antiozonants for E. W. Bergstrom, Jr., Z. T. Ossefort, R. F. Shaw S Elastothane 455—Sulfur Curable Elastothane. D	60 78	Trucks, Lift, ElectricN	30 89
.le	74	Electrical Compound, Silicone—A-790. D 22, Ja	28	Trucks, Lift, Electric N Pallet N Part Proposition Portrait F Ethylene-Propylene-Dicyclopentadiene Rubber,	74
Connell, W. R	90 117	Emulsifier—Larsynol 600, 700, 800Ja		Vulcanization Systems for J. M. Mitchell,	
Continuous Curing British Bluid Red Process		Emulsion Polybutadiene—Plioflex 5000 Ja Synpol E-BR C. A McCall, W. Nuden-	30	Vulcanization Systems for J. M. Mitchell, R. R. Barnhart, H. E. Haxo, Jr., W. R. Bing- ham Au	52
Gives. O Mixing R. S. Walker Ap Cooling Tread Rubber. Jl Cooper, W. T., J. H. Tucker, H. E. Rails-	33	berg, H. J. Goldstein My	31	EuropeO 102, N 99, D 96, Ja 92, F 15,	
Cooper, W. T., I. H. Tucker, H. E. Raus-	60	EPDR Terpolymers, A Peroxide Cure for J. T. Howarth, J. A. Cornell, L. R. Olson Au	69	EuropeO 102, N 99, D 96, Ja 92, F 15, Ma 17, Ap 17, My 17, Je 17, Jl 17, Au 17, S Expense Account Cost You Money, Will Your?	25
BACK, J. R. HAWS		EPR		Marina Punt Ap	52
Highly Extended Polybutadiene/SBR Blends Ap	40	Copolymers, Processability vs. Hysteresis in	70	Extended, Highly, Polybutadiene/SBR Blends H. E. Railsback, J. R. Haws, W. T. Cooper,	
Copolymers, EPR, Processability vs. Hysteresis	70	E. di Giulio L. Falcone Ja Cures, New, for J. V. Fusco F 48. Ap Oil-Extended J. H. Staib, G. R. Han	24	J. H. Tucker Ap	40
in E. di Giulio, L. Falcone Ja Cord, Tire, Adhesion, Factors in Rubber		Oil-ExtendedJ. H. Staib, G. R. Han- ington N	70	F	
Glass Fiber. CORNELL LA L. R. OLSON, L. T. HOWARTH	39	Peroxide for—Luperco 230-XL	7	Fabric, Stronger, for Coaters, AJa	66
CORNELL, J. A., L. R. OLSON, J. T. HOWARTH Peroxide Cure for EPDR Terpolymers, A		R. S. Lamar, H. T. Mulryan, M. F. Warner F	60	Factors in Rubber-Tire Cord Adhesion	
Α.,	60	EPT, Hercules, The L. O. Amberg, B. F. Brown Ma	52	FALCONE, L., E. DI GIULIO AND	39
Paul W	145	Reinforcing EPR and, with Ultra-Fine Talc		Processability vs. Hysteresis in EPR Co-	70
Costs of Your Auto Fleet, You Can Cut Armund J. Schoen Je		R. S. Lamar, H. T. Mulryan, M. F. Warner M. Equipment—Injection MoldingJl 48, Au		Far East O 104, N 96, D 98, Ja 92, F 15,	
Shipping, 22 Ways to Reduce Your	71	Carrent Manual Manual		Ma 17, Ap 18, My 17, Je 18, Jl 17, Au 17, S Fatty Wax—Norwax 65Je	25 65
Courses, Rubber Division, ACS D 79, Je Cracking, Tread, A Cause of: Reagglomeration?	74	Analyzer	98		
W. M. Hess, K. A. Burgess la 57. Ma	26	Bin Activator	100	Developing the Fiber Alfred Marzoc- chi, Frank J. Lachul D Using the Fiber—The Timing Belt W. A. Skura, J. J. Twomey D 65, Ja Tires	62
Cresthane F-102—Urethane AdhesiveF Cross-Linked Black-Loaded Polyethylene	28	Blender Ja	24	Using the Fiber—The Timing Belt	16
Crude Rubber Merket D. 110 N. 111 D.	72	Capstan, CableJ1	109	TiresS	90
Crude Rubber MarketO 110, N 111, D 104, Ja CubaD	103	Analyzer	102	Tires. S Fibers, Pyrolyzed, for High-Temperature Reinforcement. J. K. Sieron S Film Lubricant—McLube 1700. Ja Financial Life Line for Small Rubber Manufacturers—SRA Noveris Randolbh	50
Cuba	86 22	Clamps	100	Film Lubricant—McLube 1700Ja	28
Peroxide, for EPDR Terpolymers, A J. T. Howarth, J. A. Cornell, L. R. Olson		ColorimeterJa	18	turers—SBA Norris Randolph Au Flame Retardant—Dechlorane S Ma Diablo 700X My Flasco, Anthony M. Portrait O	64
Au	69	Colorimeter Ja Computer, Low-Cost N Concentrator, Latex S Control Counter Ja Autor Ja	84 98	Diablo 700XMy	7
Cures, New, for EPR J. V. Fusco F 48, Ap Curing, Continuous, British Fluid Bed Pro-	24	Control CounterJa	18	Flasco, Anthony M	99
Curtie Carl Portrait D	82 83	Temperature F 26, Au	100	Armund J. Schoen Ie	60
cess Gives O Curtis, Carl. Portrait D Cut Costs of Your Auto Fleet, You Can.	65	Motor	22	Flexane—Casting Compound	112
Mill Repairs by Proper Installation Au	37	Take-OffMa	8 18	Flour, Magnetic—Ceramagnet BG PowderMa Flexol NODP—Primary PlasticizerN	22 18
Cuthbertson, G. Raymond	. 87	Cutter, Bale, Remodeled Ap	86	Flour, Magnetic—Ceramagnet BG PowderMa	22
Stuart d'Adolf My	36	Tubular Ja Cutter, Bale, Remodeled Ap Die D Gasket My	18 22	Fluid Bed Process, British, Gives Continuous CuringO	82
Cyanaprene 4590—Llquid Urethane D 78, Ma Cyzone IP—Antioxidant-AntiozonantO	22	Heavy-Duty Ap Strip Au Cutting Machine Ap Cylinders, Mill S Degreaser, Portable Vapor S	100	FOAM RUBBER High Solids Latex, New—Polysar Latex 725 N	
CzechoslovakiaJa	95	Cutting MachineAp	88	Stabilizer—Dow Corning 201	117
_		Cylinders, Mill	98	Fort Wayne Rubber & Plastics GroupMy FranceO 104, N Fuller, A. LPortrait F	99
D		Dehumidifier Ap Detector, Metal	90 86	Fuller, A. L	74
		Dies, Sample. Au Dipping, Latex. Jl	102	Puratol 40Je	82
D'ADOLF, STUART New Acrylic for Seals, AAD	36	DispersatorAp	88	Pursan PMA-40Je Funt, Martha	82
New Acrylic for Seals, AAp Dannenberg, Eli M	76	Dispersator. Ap Documents Handling Je Durometer Jl	100	Will Your Expense Account Cost You Money?	52
Molding Tensile Test Ringsle	31	Durometers, Three. Ap Elevator, Drop. S Extruder, Cold Feed. Au Forecaster, Processability N N	90	Fusco, Jas. V	88
Davis, Arnold R., and Ralph A. Naylor Delayed-Action Accelerators in Polybuta-		Elevator, DropS Extruder, Cold FeedAu	102	New Cures for EPR F 48, Ap	42
diene-Natural Rubber BlendsN J. P., AND W. P. WELCH	61	Forecaster, Processability	28 98		
Compounding Carboxylic Latexes My	43	Gear Reduction Unit	18	G	
Dechlorane S-Flame Retardant	91	Gage, Air	18 26	Galloway, Jas. H	89
Oscillating Disk RheometerD	68		102	Galloway, Jas. H	96
Delayed-Action Accelerators in Polybutadiene- Natural Rubber BlendsArnold R. Davis, Ralph A. Naylor N		Grips, Tester. Ja Heat Meter, Radio Au Heater, Fluids O	98	Gerstein David Portrait Ma	66
Ralph A. Naylor N Desiccant, Caloxol—Caloxol W3D	61 22	Heater, Fluids	46 96	Glass Fiber for Reinforcement	61
Designing, Panoramic N DI GIULIO, E., AND L. FALCONE	66	Light, Sighting N Meter, Radio Heat Au	30 98	chi, Frank J. Lachut D Using the Fiber—The Timing BeltW.	62
Processability vs. Hysteresis in EPR Copo-		Meter, Radio HeatAu RelayJa	24	A. Skura, J. J. Twomey D 65, Ja	16
lymersJa Diablo 700X—Flame RetardantMy	70	Relay	18	Tires	90
Dicyclopentadiene, Ethylene-Propylene-, Rub-		Milling MachineAp	89	BERG	31
ber, Vulcanization Systems for J. M. Mitchell, R. R. Barnhart, H. E. Haxo, Jr., W. R. Bingham Au		Mixer, CanJa SigmaJa	18 18	Emulsion Polybutadiene (Synpol E-BR) .My "Gray Area" Trucker, The	27
R. Bingham Au	52	Sigma. Ja Under-Driven. Ap Wobble D	18	"Gray Area" Trucker, The S Great Britain O 102, 104, N 99, 102, D 98, Ja 92, Ap 17, My 17, 18, Je 17, 18, Au 17, 18,	
Diene Elastomers, Antiozonants for E. W. Bergstrom, Jr., Z. T. Ossefort, R. F. Shaw S Disk Rheometer, Oscillating G. E. Decker, R. W. Wise, D. Guerry, Jr. D.	60	Molder, Injection	94	5	26
Disk Rheometer, Oscillating G. E. Decker, R. W. Wise, D. Guerry, Jr. D.	68	Wolbie S Wolder, Injection S Pendulum, Torsional Ap Perforating Machines Ap Pin Frame, Oven S S	86 89	Greater Plant Output, Scheduling Pays Off in Ma	44
Dispersions, Diack—Codispersions	20	Pin Frame, Oven	98	Greece	18 20
DNPT—Blowing Agent	82	Presses, Hydraulic S Molding Ja 18, Jl 106, Screw O	109	GUERRY, D., JR., G. E. DECKER, R. W. WISE	
Compounding—Injection Molding. Jl Dow Corning 201—Foam Stabilizer. Jl DPR-529—Pourable Rubber. My	31 117	ScrewO Printer, AutomaticS	46 96	Cum Nitrile Silicone VF-60	68 20
DPR-529Pourable RubberMy	7	Printer, Automatic	89	Guthrie, W. H	92

Hess, Recall the High-High-Hi-Ter be Highl H. Hobbs Horns Howa Per Hudd Hycall Hydy Hydy

India
Indon
Indus
196
V
Tex
Inject
Cor
Equ
Instal
Intern
Intern
Org
Rul
Israel
Italy
Iyeng
Fac

Japan Na Johns R. V

K-120 KANE, Clos Katze Kenfle Ketter Kile,

Labels
LACHU
Glas
th
LAMAI
Rein
T
Lamel
Larsy
Latex
LATEX
But
Carl

Wha High Mar Mas Ster

Latin

Octo

P/	AGES	T NOED	GES
H Harlim Con Portrait Au	99	Leabond—Silicone Adhesive	66
Hackim, Geo		Ma II, Ap II, je II, I2, Ji 12 Making Shikohe Sponge.	
aging	72 84	Urethane, Compression Moldable Chas. F. Blaich, Jr. Ma 34 Reinforcing EPR and EPT with Ultra-Fine	
HANINGTON, G. R., J. H. STAIB AND Oil-Extended EPR	70 90	Rubber-Vibrathane 6006	95 52
Harrington, Chas., Jr Portrait Ja Harrison, J. G Portrait S	87 82	Little, Robt. B. Portrait F 76 Location, Plant, The Question of	34
Harrington, Chas., Jr Portrait Ja Harrison, J. G Portrait S Hart, Thos. F Portrait Au Hathaway, Earl B Portrait N HAWS, J. R., W. T. COOPER, J. H. TUCKER, L. P. PALISEN, L. P. COOPER, J. H. TUCKER, L. P. PALISEN, L. P. COOPER, J. H. TUCKER, L. P. PALISEN, L. P. COOPER, J. H. TUCKER, L. P. PALISEN, L. P. COOPER, J. H. TUCKER, L. P. PALISEN, L. P. COOPER, J. H. TUCKER, L. P. PALISEN, L. P. COOPER, J. H. TUCKER, L. P. PALISEN, L. P. COOPER, J. H. TUCKER, L. P. PALISEN, L. P. COOPER, J. H. TUCKER, L. P. PALISEN, L. P. COOPER, J. H. TUCKER, L. P. PALISEN, L. P. COOPER, J. H. TUCKER, L. P. PALISEN, L. P. COOPER, J. H. TUCKER, L. P. PALISEN, L. P. COOPER, L. P.	86 89	Los Angeles Rubber Group, Inc., The N	92
Highly Extended Polybutadiene/SBR Blends		Lovell—A Kit for Success	
HAXO, H. E., JR., W. R. BINGHAM, J. M. MIT- CHELL, R. R. BARNHART	40	SE-5211U	
Vulcanization Systems for Ethylene-Propy- lene-Dicyclopentadiene RubberAu Hecker, K. C	52	Film—McLube 1700	61
T. H. ROGERS, A. O. RYAN Stereo Rubber Latexes	86	Finorocarbon Oscil as 11-120 D 20 Near East. F Green Tire D 20 Near East. F Internal—Paracin I My 7 Nelson, Lawrence B. Portrait D Rubber—RL-684 JI 117 Neoprene, see Synthetic Rubbers	16 90
Henderson, R. B. Portrait F Hensal, Earl Portrait Ma Hercules EPT, The L. O. Amberg, B. F.	72 66	S-X-144—Mold Release and Ma 22 Netherlands JI	17
Hess, W. M., and K. A. Burgess	52	Sunapiex. Lubricating Powder—TL-126. F 28 Luperco 230-XL—Peroxide for EPR My 7 Luxembourg. Ja 94 Cures for EPR. J. V. Fusco F 48, Ap	36
Reagglomeration: a Cause of Tread Cracking?	26	Luxembourg Ja 94 Cures for EPR J. V. Fusco F 48, Ap Process for Casting Rollers, A Je SBR Processibility Test, A	52
Temperature Reinforcement, Pyrolyzed Fi-		M York Outside Market O 110, N 111, D 104, Ja 1	40
Hi-Temp Koroseal Pipe—Vinyl Plastic PipeD Highly Extended Polybutadiene/SBR Blends	22	Machlin, Frank	56 95
bers for J. K. Sieron S Hi-Temp Koroseal Pipe—Vinvl Plastic Pipe D Highly Extended Polybutadiene/SBR Blends H. E. Railsback, J. R. Haws, W. T. Cooper, Hobbs, Harlan Portrail My Hornsby, H. J Portrail My Howarth, J. T., J. A. Cornell, L. O. Olson Peroxide Cure for EPDR Terpolymers, A. Au Huddleston, G. R. Horder of the Portrail Au	40 74	Machinery, Rubber, Using (New York Group) My Magnetic Flour—Ceramagnet BG Powder. Ma 22 Measured Look at the Rubber Industry, A.Ja What's Ahead for the Rubber Industry in	55
Hornsby, H. J	72	Making Silicone SpongeThos. S. Mo- roney Je 34 Nitrile Rubbers, see Synthetic Rubbers	68
Huddleston, G. R	69 86	Malaya	20 76
Hydrocarbon Reinforcer—Picco 6100-3S Hysteresis, Processability vs., in EPR CompoundsE. di Giulio, L. FalconeJa	100	Managers, Scouting Future. Portrait O Manu, Jas. U. Portrait O Manufacturers, Rubber, Small, Financial Life Line for—SBA. Norris Randolph Au Markets and Prices. F 77, Ma 91, Ap 83, 89. Emulsion Polybutadiene Synpol E-BR. My	82
poundsE. di Giulio, L. FalconeJa	70	Line for—SBA Norris Randolph Au Markets and Prices F 77, Ma 91, Ap 83, My 91, Je 89, JI 95, Au 95, S NYLON NYLON	31
		Markets and Prices F 77, Ma 91, Ap 83, M 901, Je 80, Il 95, Au 98, S 89 Compounding Ingredients Prices N 112, Ja 108, Ma 96, Mv 98, Jl 126, S 112 Latex	81
India	26 18	LatexO 110, N 106, D 103, Ja 106 Natural RubberO 110, N 111, D 104, Ja 103	
1963—A Measured Look at the Ja What's Ahead for the, in Philip A.	55	Reclaimed Rubber O 109, N 106, D 104, Ja 104 OBITUARIES	
Textiles and the (Akron Group)	68 80 29	Scrap Rubber O 110, N 106, D 104, Banbury, Fernley H Portrait I Ja 104 Billmeyer, Bruce R Portrait N Cabot, Godfrey L Portrait N Cabot, Go	78 92 93
Injection Molding	31	Prices O 112, D 113, F 100, Ap 103, Cosler, Vaile A Portrait F	80 76
Equipment	28 37 7	E 102, Au 114 Dettelbach, Robt. F. Ja	90 72 79
International Institute of Synthetic Rubber Producers	72	Glass Fiber for Reinforcement—Developing the Fiber D 62 Gordon, Wm. A Portrait S 62 Gordon, Wm. A Portrait Ma 62 Gordon, Wm. A Portrait Ma 63 Gordon, Wm. A Portrait Ma 64 Gordon Marks Later for Halloween 9 94 Grimm I Gordon	86 72
Rubber Study Group	77 95 16	the Fiber D 62 Gordon, Wm. A Portrait Ma Masks, Latex, for Halloween O 94 Grimm, J. Geo. II Mason, W. Horace Portrait II 76 Havey, Marshall L N Masterbatches, Black—Baytown 8788, 8789. N 18 Howlett, Clarence M. F	78 92 76
	17	Plioflex 1805, 1815. D 20 Materials, New O 22, N 18, D 20, Ja 28, F 28, Ma 22, Ap 92, My 7, Je 82, Jl 112, Ap. Noonan, Chester J. Portrait Ma Murphee, Eger V. Noonan, Chester J. Portrait D	72 93
Pactors in Rubber-The Cord AdnesionS	39	F 28, Ma 22, Ap 92, My 1, Je 82, Ji 112, Au Noonan, Chester J. Portrait D 104, S 100 O'Connor, E. J. My Matthews, David L. Portrait Je 76 Peet, Gerald D. Je	93 79 78
Japan O 104. N 96. D 98. Ja 94. F 15. 16.		Mattson, R. H Portrait N 90 Pratt, D. M. Portrait D O Maxecon Sheet O O O O O Nirk, Frank T. D O McALL, C. A., W. NUDENBERG, H. J. GOLD Rankin, Jas. J. Portrait JI S	93 93
	25 79	MCCALL, C. A., W. NUDENBERG, H. J. GOLD- STEIN Emulsion Polybutadiene [Synpol E-BR]. My 31 Robertson, Saml. B	80 92 80
R. Wendell	89	MCCLURE, P. R. Cross-Linked Black-Loaded Polyethylene . D 72 Sauvain, C. E. Au 9 Schaffer, Kenneth M. S 8	90 86
K-1203—Low-Temperature Silicone Ia	30	McCreary, Harry C., Jr Portrait Ma 113 Schulman, Alex. Portrait Je Let's Not Be Ostriches Ma 113 Sturtevant, Walter L. Ja 9 McFadden, C. P. Portrait Ap 117 Swift, Wn. H. Jl 8	78 90 80
KANE PORT P	35	What Free Trade Utopia*	90 90 80
Kenflex A-30—Liquid Plasticizer	66 92 79	MDB—Accelerator	70
Kile, John EPortratt Ap	66	Mechanical Goods Clinic (Southern Rubber her Rlends	66
Labels Tim Dall II		Mexico	72
Labels, Tire Building	22	Mill Repairs, Cut, by Proper Installation. Au 37 Perovide Cure for EPDR Terpolymers, A. Au 6 Miner, A. J. Portrait Ia 88 ONE Man's Option Challenge for Compounders, A. Paul W.	9
LAMAR, R. S., H. T. MULRYAN, M. F. WARNER	62	J. M., R. R. BARNHART, H. E. HAXO, JR., W. R. BINGHAM Common Language, A Robt. D. Stiehler	
Talc	60 78	Vulcanization Systems for Ethylene-Propy- lene-Dicyclopentadiene Rubber Au 52 Give Inventors a Break Ephraim K. Mixing, Continuous R. S. Walker Ap 33 Cohen My 12.	
Ja .	30	Modified Resin-Pliovic M-90. Au 104 Let's Not Re Ostriches Harry C. Mc.	
Latex Foam Rubber Council		S-X-144	7
Carboxylic, Compounding W. P. Welch, J. P. Davis My	43	Chas F Blaich Iv Ma 34 O'Neil C F Portrait An O	101
High Solids, New—Polysar Latex 725N MarketO 110, N 106, D 103, Ja 10		Rejected	0
7 37 1 6 77 11	18 06	Molding, Injection	18
Masks for Halloween Stereo rubber T. H. Rogers, A. O. Ryan, K. C. Hecker O Latin America N 102, Ma 17, My 17, Je	18 06 94	MOLDED RUBBER GOODS R. S. Walker Ma Molding, Injection Z. J. Dorko, J. Timar, J. Walker J. 131 Equipment R. S. Walker Ma Rubber (Mechanical Goods Clinic—Southern Refected. R. S. Walker Ma J. Osborne, Edw. B. Portrait J. 70 Oscillating Disk Rheometer. G. E. Decker, R. W. Wise, D. Guerry, Jr. D. 61 JR. Antiozonants for Diene Elastomers S. S. 66 Verness, Ivan Portrait S. 86	0

27

.D

r

1	AGES	P	AGES		AGES
P		Reagglomeration: A Cause of Tread Cracking. W. M. Hess, K. A. Burgess Ja 57, Ma	? 26	SILICONE	
Packaged RTV Silicone	a 28	Reclaimed Rubber Market O 109, N 106		BASES Silastic 446	18
Packaged RTV Silicone J. Packaging, Old Material Finds New Markets i	1 70	Reduce Your Shipping Costs, 22 Ways to J	2 104	COMPOUND	
Pakistan	72	Rehner, John, Jr. Portrait N	70	Flectrical—A.790	28
PanamaJ	18	Reinforcement, Glass Fiber for	00 61	SE-5601 O Gum, Nitrile-, —XE-60 D	20
(Rubberized Hair) Pakisitan Myanama Japanoramic Designing Paracin I — Internal Lubricant My	7	Reilly, Jas. F	62	Pourable—SS-4090Au RUBBER	104
PARATEX Old Material Finds New Markets in Packag		Using the Fiber—The Timing Belt	. 02	Bonding Primer—SS-4101	92
PAYNE, A. R., W. F. WATSON AND	72	A. Skura, J. J. Twomey D 65, Ja Pyrolyzed Fibers for High-Temperature	16	Liquid—Packaged RTV la Low-Temperature—K-1203 la	30
Black Structure: A New Look	52	J. K. Sieron S Reinforcer, Hydrocarbon—Picco 6100-3S	50	Low-Temperature—K-1203 Ja SE-5211U My Pouring, Easy—RTV-30 Ap Silastic 950U—High-Strength Silicone JI Sheeting O Sponge, Making Thos. S. Moroney Je SHASTIC	7
Pennac ZT-"W"	7	Reinforcer, Hydrocarbon—Picco 6100-3 S Reinforcing EPR and EPT with Ultra-Fine Talc R. S. Lamar, H. T. Muiryan, M. F.	100	Silastic 950U—High-Strength SiliconeJl	112
		Talc R. S. Lamar, H. T. Mulryan, M. F. Warner F	60	Sheeting O	28 34
Peroxide, Benzoyl—Polymerization Catalyst N Cure for EPDR Terpolymers, A J. T	18	Rejected	31	SILASTIC	10
Cure for EPDR Terpolymers, A J. T. Howarth, J. A. Cornell, L. R. Olson At For EPR Lunerco 230 XI	69	Rejected	105	446—Silicone Base N 950U—High-Strength Silicone II S-2229—Softener N	112
For EPR—Luperco 230-XL	98	S-X-144	22	S-2229—Softener N 6561—Silicone Base N	18
Picco 6100-3—Hydrocarbon Reinforcer	100	Repairs, Mill, Cut, by Proper InstallationAu	37	Singapore. S Skura, W. A., and J. J. Twomey	26
Plant Location, The Question of	59	resin Trydrocarbon recimoreer Trees 0100-3	100	SKURA, W. A., AND J. J. TWOMEY Timing Belt, The	16
Output, Greater, Scheduling Pays Off in Ma Plastic Pipe, Vinyl—Hi-Temp Koroseal Pipe . D	22	Modifier—Pliovic M-90 Au Retardant, Flame—Dechlorane S Ma	104	Slemmons, C. O Portrait D	90
DI ACTICIARDO		Diablo 700X My Rheometer, Oscillating Disk G. E. Decker,	7	Line for—SBANorris Randolph Au	64
Liquid—Kenflex A-30 Ap Primary—Flexol NODP N PVC—Bearflex 1762 O	18	Rheometer, Oscillating Disk G. E. Decker,	68	Smith, Henry F., Jr. Portrait N Society for Automotive Engineers Au	90 77
Phonex 1805, 1815—Black Masterbatches D	21)	R. W. Wise, D. Guerry, Jr. D. Rhode Island Rubber Club	81	Softener—Silastic S-2229	18
5000—Emulsion Polybutadiene la	30	Kings, Tensie Test, Molding Mark L.		D, V. Sarbach N	74
Pliovic M-90—Modifier Resin Au Poland	18	RL-684—Rubber Lubricant	117	Salubilizare Targunal 600 700 800	30
Polyacrylates, Two New Developments in S POLYBUTADIENE	43	RL-684—Rubber Lubricant	90	South Africa. D 98, F 15, Je 19, JI Southern Ohio Rubber Group. N Rubber Group. D 77, My 68, Au Spin O 100 N 190 Au	17
Emulsion—Plioflex 5000Ja	30	Stereo Rubber Latexes O Rollers, Casting, A New Process for Je Rosster, Fritz S. Portrait F RTV-30—Easty-Pouring Silicone Applications Personal Pro-	86 52	Southern Ohio Rubber Group	80 75
Nudenberg, H. J. Goldstein My	31	Rostler, Fritz S	72		18
Natural Rubber Blends, Delayed-Action		Silicone, Packaged Ja	92 28	Sparks, Wm. J	71
POLYBUTADIENE Emulsion—Plieflex 5000 Ja Synpol E-BR C. A. McCall, W. Nudenberg, H. J. Goldstein My Natural Rubber Blends, Delayed-Action Accelerators in Arnold R. Davis, Ralph A. Naylor N. Effect of Oils on N	61	RUBBER			
		Ethylene-Propylene Dicyclopentadiene, Vul- canization Systems for J. M. Mitchell,		Silicone, Making Thos. S. Moroney Spray, Protectant—LPS Spraying Rubber Parts N SS-4048—Mold Release Agent S 1 4090—Pourable Silicone Au 1	105
Polysar Taktene 1200, 1220	7	R. R. Barnhart, H. E. Haxo, Jr., W. R. Bing- ham Au	52	Spraying Rubber PartsN SS-4048—Mold Release AgentS 1	105
Railsback, J. R. Haws, W. T. Cooper, J. H.		INDUSTRY		4090—Pourable SiliconeAu 1	104
Tucker Ap Polyether Urethane-Multrathane F-196Jl		1963—A Measured Look at the Ja What's Ahead for the, in Philip A.	55	Stabilizer, Foam—Dow Corning 201	117
Polyethylene, Cross-Linked Black-Loaded		Textiles and the (Akron Group)D	68 80	400—Pourable Silicone	104
P. R. McClure D Polysar Latex 725—New High Solids Latex N	72 18			Oil-Extended EPRN	70
Taktene 1200, 1220 My	7 95	Lubricant—RL-684	117	STATISTICS U. K. Fiber Consumption, 1960	
Polzer, Geo. F	82	88, Ma 71, 72, Ap 11, 12, Jl	11	UNITED STATES	
Popp, G. E	79	Norris Randolph Au	64	Carbon BlackO 124, D 110, F 112, Ap 110, Je 111, Au 1	120
Polysar Latex 725—New High Solids Latex N Taktene 1200, 1220. My Polymers, Urethane—GM. Au Polzer, Geo. F. Portrait O 99, N Pourable Rubber—DPR-529 Ay Silicone—SS-4090. Au Powder, Lubricating—TL-126. Frenolymer, Irethane—Consthane	104	Pourable—DPR-529	7	Fiber Consumption, 1960	81
		par S	39	Consumption of O 121, D 106, F 110,	110
Primary Plasticizer—Flexol NODPN	18	Trade Assn. of New York, Inc N New York Outside Market O 110,	81	Ap 108, Je 109, Au 1 Imports and Production of O 121, D 106, F 110, Ap 108, Je 109 Au 1	.10
Primer, Bonding—SS-4101		Tread, Cooling	103	D 106, F 110, Ap 108, Je 109 Au 1 NATURAL RUBBER	18
Curing. O New, for Casting Rollers Je	82 52	WORLD	00	Consumption of O 121, D 106, F 110, Ap 108, Je 109, Au 1	
Processability Test, A New SBR Stanley		News of the O 7, N 7, D 7, Ja 7, F 7, Ma 11, Ap 11, My 11, Je 11, Ji 11, Au 11, S	19	Imports and Production of O 121.	
Vs. Hysteresis in EPR Copolymers , E. di Giulio, L. Falcone Ja		Statement of	96	D 106 F 110 Ap 108, Je 109, Au 1	.18
Processing Stiffner 710	70 18	Old Materia! Finds New Markets in Packaging		Reclaimed Rubber O 121, D 106. F 110, Ap 108, Je 109, Au 1	18
PRODUCTS, NEW		Rucker Plan, The	72	RUBBER INDUSTRY Economics Indicator 0 122, D 10	08
Belt, Positive Mesh Gear, Works for Small Motors	30	Rumania N Russia D 96, 98, Ja 92, F 77, Ma 18, My	100	Employment, Wages, Hours O 122, D 19	UO
O-Belts 0 Blanket, Lineman's 0 Hose, Powdered Food 0 Seal, Jig-Saw 0 Stopper, Cutaway 0	32	10, Je 17, All 17, S	25	Sales and Inventories O 124, D 110, F 112, Ap 110, Je 111, Au 12	20
Hose, Powdered Food	32	Ryan, A. O	90	Synthetic Rubber	
Stopper, Cutaway	32 30	Stereo Rubber Latexes	86	Consumption of O 121, D 106, F 110, Ap 108, Je 109, Au 11	18
Tires Double Eagle LifeGuard Spare Je		•		Exports of O 121, D 106, F 110, Ap 108, Je 109, Au 11	18
Foremost (I. C. Penney) la	10	3		Imports and Production of O 121, D 106, F 110, Ap 108, Je 109, Au 11	
Peerless-Parkway (A & P) Ja Snow, Chopped Wire Used in, Tread N	10 83	S-143 Mold ReleaseF	28	Tires O 124. D 110. F 112, Ap 110,	
Stud. Anti-Skid. My	12	Safety	12	TubesO 124, D 110, F 112, Ap 110,	
Tread Rubber, Winter	37	SARBACH. D. V. Solubility and Adhesion of Ameripol CBN	7.4	Je 111, Au 12	20
Propylene-Dicyclopentadiene, Ethylene-, Rubber, Vulcanization Systems for J. M.		SBA—Financial Life Line for Small Rubber		World Natural Rubber	
Mitchell, R. R. Barnhart, H. E. Haxo, Jr., W. R. Bingham Au	F 2	Manufacturers	04	Consumption of O 122, D 108, F 114, Ap 112, Je 113, Au 12	22
Protectant Spray—LPSS	105	Schaefer, Herbert T	79	Production of 122, D 108, F 114,	
Protectant Spray—LPS	108	Ma	44	Ap 112, Je 113, Au 12 Synthetic Rubber	22
Puratol 40—Fungicide. Je Pursan PMA-40—Fungicide. Je	82	Schoen, Armund J. You Can Cut Costs o i Your Auto FleetJe	60	Consumption of O 122 D 108, F	22
PVC Plasticizer—Bearflex 1/62	22	Schultz, R. F Portrait Ja	87	114, Ap 112, Je 113, Au 12 Production of O 122, D 108, F 114	22
Pyrolyzed Fibers for High-Temperature Rein-		Scotland	94 42	Stempel G H Ap 112, Je 113, Au 12	22 89
forcement J. K. Sieron S	30	Scouting Future Managers Je Scrap Rubber Institute, & Plastics My Market O 110, N 106, D 104, Ja	79	Ap 112, Je 113, Au 12 Stempel, G. H. Portrail N 8 Stereo Rubber Latexes T. H. Rogers, A. O. Ryan, K. C. Hecker O 8 Stiehler, Robt. D. Portrail Je 11 Common Language, A Je 11 Stiffour Brossories T. Je 11	96
Q		SE-5211U—Low-Temperature SiliconeMv	7	Stiehler, Robt. D	19
Question of Plant Location, The	59	5601—Silicone Compound	28	Common Language, A. Je 11 Stiffener, Processing, 710 . N 1	19
R		An	36	Strength, High-, Silicone—Silastic 950UJl 11	10
•		Rejected	31	Stronger Fabric for Coaters, AJa 6	
RAILSBACK, H. E., J. R. HAWS, W. T. COOPER, J. H. TUCKER		OSSEFORT Antiozonants for Diene ElastomersS	60	Strube, Edw. J Portrait O 10	00
Highly Extended Polybutadiene/SBR Blends	40	Sheet, Maxecon	28	Structural Adhesive—Chemlok 304Jl 11	12
Ramsey, Grover SPortrait D		SHERIDAN, ROBT.	28	Structure, Black: A New Look W. F. Wat- son, A. R. Payne My 5	52
RANDOLPH, NORRIS Lovell—A Kit for Success	56	Look before You Lease F Shipping Costs, 22 Ways to Reduce Your Jl	40	Carbon Black, Measuring, by Compression	33
SRA—Financial Life Line for Small Rubber		SIERON, J. K.	,,		28
Manufacturers. Au Rayon Tire Cord Yarn, Du Pont toEnd Production of N	04	Pyrolyzed Fibers for High-Temperature Rein- forcementS	50	Surface Active Agents-Larsynol 600, 700, 800	
duction of	81	SILICONE Adhesive—Leabond		Ja 3	
		Ap	34	Swart, G. HPortrait Je 7	11

Poli SBI L M P P S Stereo

Talc, witl

Talcs Tempo F Low

Pa	GES	
SwedenJa 94, Ap S-X-144—Mold Release and LubricantMa	12	Tens
S-X-144-Mold Release and LubricantMa	22	
SYMPOSIA	~~	Terr
FPR for Commercial Use (Southern Group).D Laboratories and Laboratory Testing Methods	77	Test
(Southern Group)	77	1 est
Machinery, Rubber (New York Group) My	56	Ri
(Southern Group)		
Southern Rubber Group)Au extiles and the Rubber Industry (Akron	75	Text
lextiles and the Rubber Industry (Akron	80	Gr Thai
Frethanes (New York Group)	78	Thia
Wire and Cable	96	Tv
Group). D Trethanes (New York Group). D Wire and Cable . O 91, Ja Synpol E-BR—Emulsion Polybutadiene C. A. McCall, W. Nudenberg, H. J. Goldstein		Thio
C. A. McCall, W. Nudenberg, H. J. Goldstein		Thor
My	31	TIMA
Synthetic Rubber Acrylic—Thiacril X-55	92	Co
Acrylic—Thiacril X-55	94	1 11111
D. V. Sarbach N	74	TIRE
CB 441, 442	96	Bu
BalataS	90	Co
CB 441, 442. JI Balata. S Butyl Latex 90-01. O 22, EPR, Oil-Extended. J. H. Staib, Gr. Hanington N. S	28	1
Hanington N	70	
Hycar, New Numbers forS	105	
Hycar, New Numbers for	103	
Masterbatches, Black-Baytown 8788, 8789	40	
Plioflex 1805, 1815	18 20	Lu
Neoprene HCJa	28	Titar
ILAJa	28	TL-1
NITRILE		Tread
Chemigum N 300, N 615Ja	30	
Plioflex 1805, 1815 D 5000 Ja Polyacrylates, Two New Developments in . S	20 30	Tread
Polyacrylates, Two New Developments in . S	43	Trim
POLYBUTADIENE		Truck
Emulsion [Synpol E-BR]C. A. McCall		TUCK
W. Nudenberg, H. J. Goldstein My	31	**.1
Accelerators in Arnold P. Danis		His
Emulsion [Synpol E-BR] C. A. McCall W. Nudenberg, H. J. Goldstein My Natural Rubber Blends, Delayed-Action Accelerators in Arvold R. Davis, Ralph A. Naylor N Effect of Oils on	61	Turne
Effect of Oils on	66	22 W
Effect of Oils on	7	Twin Two
SBR		Two
Latex, High Solids, New-Polysar Latex	18	Two
725	10	Tywe
	18	
Polybutadiene/, Blends, Highly Extended H. E. Railsback, J. R. Haws, W. T. Cooper, J. H. Tucker Ap		
H. E. Kansback, J. K. Haws, W. I.	40	
Processability Test, A New Stanley C.	40	1 Section
Einhorn Au	40	Unita
StereoAp	83	F 7
Stereo Rubber Latexes T. H. Rogers, A. O.	0.0	
Stereo	86	UOP
Sympol EDK	o.	URET
T		Adi
Talc, Ultra-Fine, Reinforcing EPR and EPT		Cya
with R. S. Lamar, H. T. Mulryan, M. F.		Ela
Tales in Urethane Warner F	60	Nev
Tales in Urethane Ap Temperature, High-, Reinforcement, Pyrolyzed Fibers for J. K. Sieron S Low-, Silicone—K-1203 Ja SE-5211U My	58	Pol
Fibers for J. K. Sieron S	50	Pre
Low-, Silicone—K-1203 Ja	30	Rul
SE-5211UMy	7	Spo
		Sta

AGES

LD

	AGI
Tensile Test Rings, Molding Mark L. Dannis Je	3
Terpolymers, EPDR, A Peroxide Cure for J. T. Howarth, J. A. Cornell, L. R. Olson A. Test, Processability, A New SBR Stanley C. Einhorn Au Rings, Tensile, Molding Mark L. Dannis	6
C. Einhorn Au	4
Je	3
Textiles and the Rubber Industry (Akron Group)D	8
Thailand	1
Group) D Thailand J Thiacril X-55—New Acrylic Rubber My Two New Developments in Polyacrylates S Thiokol, see Synthetic Rubbers	4
Thomas, R. D Portrait Ma	6
Two New Developments in Polyacrylates S Thiokol, see Synthetic Rubbers Thomas, R. D Portrait Ma TIMAR, J., J. WALKER, Z. J. DORKO Compounding—Injection Molding J. Timing Belt, The W. A Skura, J. J. Twomey D 65, Ja	3
Tire Twomey D 65, Ja	1
Building Labels	2:
Market O 100 N 104 D 104 Ia	10
Textiles and the Rubber Industry	86
(Akron Group)	96
of	81
Lubricant, GreenD	20
of N Lubricant, Green. D Fitanium Dioxide—Unitane OR-580. O IL-126—Lubricating Powder. Fread Cracking, A Cause of; Reagglomeration	25
Fread Cracking, A Cause of: Reagglomeration W. M. Hess, K. A. Burgess Ja 57, Ma	26
Rubber, Cooling	60
Friends C Portrait F 74, Ma	71
Frucker, The "Gray Area"	27
Fread Cracking, A Cause of: Reagglomeration W. M. Hess, K. A. Burgess Ja 57, Ma Rubber, Cooling II Freadgold, A. G. Portrait F 74, Ma Frimble, Stanley C. Portrait F 74, Ma Frucker, The "Gray Area" Portrait F Trucker, The "Gray Area" FUCKER, J. H., H. E. RAHSBACK, J. R. HAWS, W. T. COOPER Highly Extended Polyburadione (SBR Blends Highly Extended Polyburadione (SBR Blends Polyburad	
righty Datemaca I my butteries (1714 Diction	
Ap Posterit O	100
2 Ways to Reduce Your Shipping Costs II	71
Twin Cities Rubber Group, IncJe	71
Furner, L. P	32
Timing Belt, The D 65, Ja	16
Гyweld—Adhesive-Treated Rayon Yarn Ma	92
U	
Unitane OR-580—Titanium DioxideO United StatesO 93, N 81, D 83, Ja 83, F 7, Ma 11, Ap 11, My 11, Je 11, Jl 11, Au 11,	22
F 7, Ma 11, Ap 11, My 11, Je 11, Jl 11, Au 11,	19
OP 688—Antiozonant	100
RETHANES Adhesive—Cresthane F-102. F Compression Moldable Liquid. Chas. F. Ma Cyanaprene 4590. D 78, Ma Cyanaprene 4590. D 78, Ma Elastothane 455. D New York Group Meeting on. D Polyether—Multrathane F-196. JI Polymers—GM Au Prepolymer—Conathane 2,000. O Rubber, Liquid—Vibrathane 6006. S Sponge, Closed-Cell. Robl. P. Kane F Stabilizer—Butazate.	28
Cyanaprene 4590 D 78, Ma	34
Elastothane 455D	78
Polyether—Multrathane F. 196	78 95
Polymers—GM Au	95
Prepolymer—Conathane 2,000. O	22
Rubber, Liquid—Vibrathane 6006S	100
Sponge, Closed-Cell	35 104

P.	GES
Tales in	58
Tales in Ap URIG, E. R., G. E. EHLBECK AND What Are Carboxylic Latexes? My	38
v	
Vass, David McD Portrait O	00
Venezuela F 15, J1	17
Venezuela. F 15, Jl Vibrathane 6006—Liquid Urethane Rubber . S Vinyl Plastic Pipe—Hi-Temp Koroseal D Plastisol Blending Resin—Modifier Resin—	22
Pliovic M-90. Au VOET, ANDRIES, AND WM. N. WHITTEN, JR. Measuring Carbon Black Structure by Com-	104
pression. Vulcanization Systems for Ethylene-Propylene- Dicyclopentadiene Rubber. J. M. Mit- chell, R. R. Barnhart, H. E. Haxe, Jr., W. R. Bingham Au	3.3
R. Bingham Au	52
w	
Wade, John W	76
	31
Continuous Mixing	33
Compounding—rijection Modding. Ji Richard S. Continuous Mixing. Ap Rejected. Ma Warner, M. F., R. S. Lamar, H. T. Mulryan Reinforcing EPR and EPT with Ultra-Fine Talc. F	31
Tale F	60
Black Structure: A New Look My	52
Waugh, Walter D Portrait Au Way Fatty Norway 65	90 82
Talc F WATSON, W. F., AND A. R. PAYNE Black Structure; A New Look My Waugh, Walter D. Postrait Au Wax, Fatty—Norwax 65 Je Wei, Peter E. Portrait N WELCH, W. P., AND J. P. DAVIS	79
	43 82
Weston, Wm Portrait S What Are Carboxylic Latexes? G. E. Eilbeck, E. R. Urig My	38
What's Ahead for the Rubber Industry in 1963? Philip A. Cavalier Ja	68
White, Leland M	87
pressionAu	3.3
Martha Funt Ap	52
Wite and Cable Symposium	84 96
Oscillating Disk Rheometer D	68
Will Your Expense Account Cost You Money? Matha First Ap Wiltjer, A. J. Portrait S Wire and Cable Symposium O 91, 13 Wise, R. W., D. Guerry, Jr., G. E. Decker Oscillating Disk Rheometer Decker Woodward, Fred E. Portrait Ja Workman, Robt. E. Portrait N	87 89
X	
XE-60—Nitrile-Silicone Gum	20
Y	
Varn, Adhesive-Treated Rayon-Tyweld Ma	92
Yarn, Adhesive-Treated Rayon—TyweldMa You Can Cut Costs of Your Auto Fleet Armund J. Schoen Je	60
z	
Zekan, Wm. CPortrait Jl	74

